

GDARD Epidemiology Bulletin



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April 2022

Animal Disease Outbreaks Summary

There were no new outbreaks of **African swine fever (ASF)** reported during April.

There were 45 new outbreaks of **African horse sickness (AHS)** reported, with 49 horses being affected.

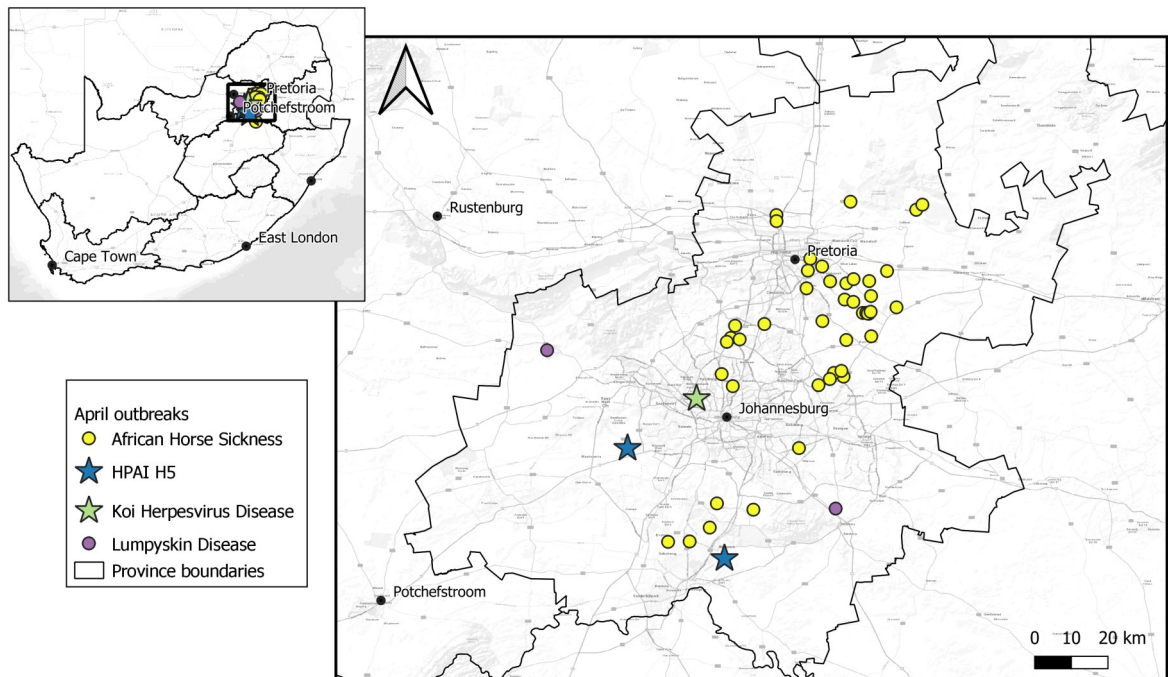
Two new outbreaks of **highly pathogenic avian influenza H5 (HPAI H5)** were reported. One was detected at an emerging broiler farming operation in Randfontein. The other was at a small-scale breeder operation near Meyerton. This site also had numerous non-poultry birds (ducks, geese, guinea fowls, turkeys and ostriches). Mortalities started soon after buying new chickens from an auction.

A **koi herpes virus (KHV)** outbreak was reported in the Northcliff area. A hobbyist koi-keeper with 20 fish introduced a new Koi carp into his pond in February. The new fish became lethargic and anorexic within 2 days and then died. The same signs followed in the other fish and KHV was subsequently confirmed.

Two outbreaks of **Lumpy skin disease (LSD)** were reported this April. Although the herd in Germiston had been vaccinated, it was done late in the summer season. The other outbreak in Mogale City affected a herd that was not vaccinated at all. The sick cow presented with the lumps typically for LSD, but she also had ulcerative lesions in the mouth and nodules on the coronary bands. She was therefore also tested to rule out FMD, which was negative. This is the second LSD case with oral lesions that could be confused with FMD.

An outbreak of suspected **pigeon paramyxovirus (PPMV)** was detected in the Buccleuch area of Johannesburg. A resident who normally fed doves in the suburb reported a large number of doves suddenly dying. They also displayed head tilt, falling over and loss of normal fear of people. Tissue specimens were positive for Newcastle disease virus and the test to confirm PPMV is pending.

Fortunately, no Rift Valley fever outbreaks have been detected.



Animal disease outbreaks in Gauteng Province
April 2021

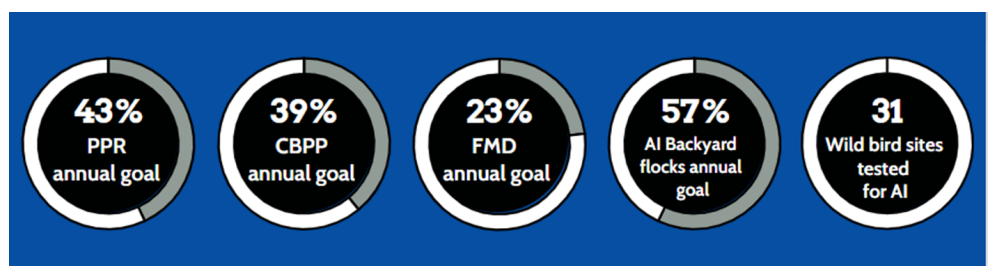
Created by Epidemiology, Gauteng Vet Services, using QGIS (<http://qgis.osgeo.org>)



Fig 1. Distribution of Animal Disease Outbreaks, Gauteng Province.

Cumulative Surveillance Summary 2022.

Active surveillance for contagious bovine pleuropneumonia (CBPP), peste des petits ruminants (PPR), foot and mouth disease (FMD), and avian influenza (AI) is done monthly or quarterly (FMD) in Gauteng as part of the national program. All suspected cases are investigated.



Animal disease vaccination activities

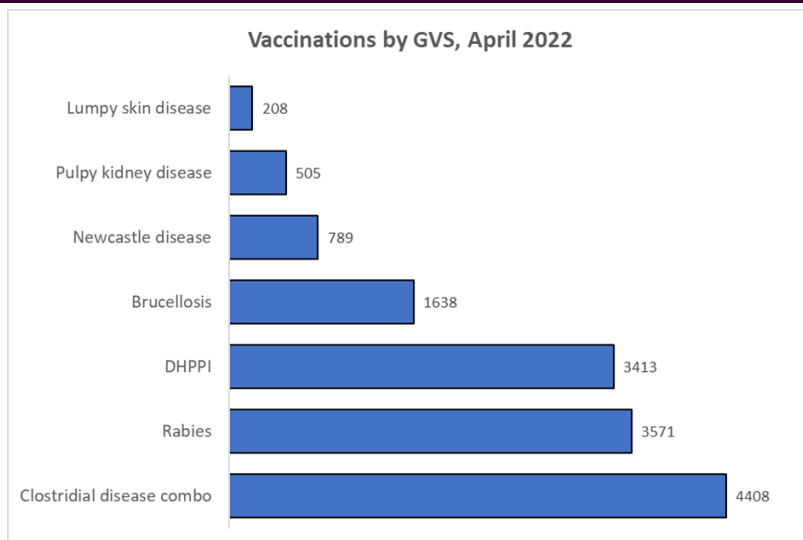
GVS primary animal health and regulatory officials administer vaccinations to pets and livestock on a daily basis. The total number of vaccines administered in April was **14 542**. A breakdown of the types of vaccines and their geographic distribution are provided on the right hand side of this page.

Buffalo movements

Three separate buffalo movements took place from Gauteng Province to other provinces during April, with a total of 71 buffalos translocated.



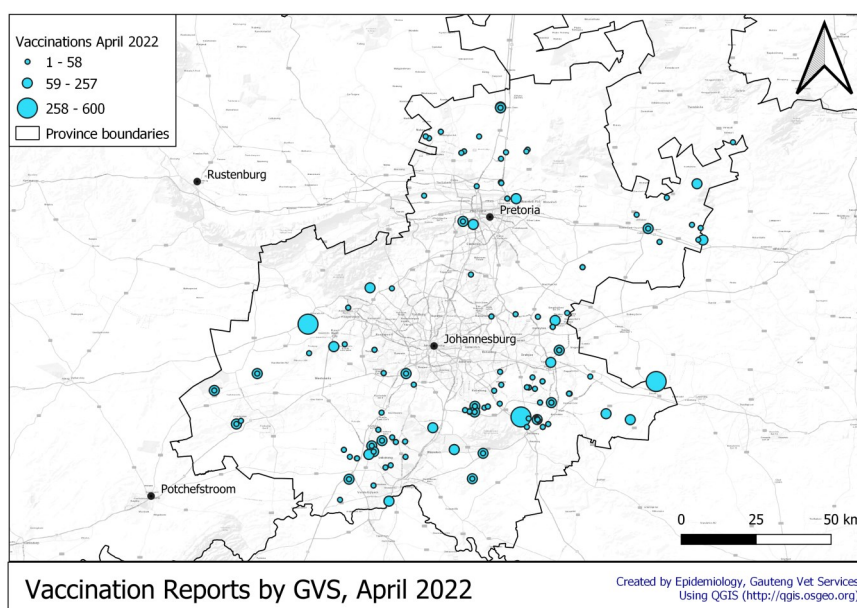
Fig 2. Tranquilised buffalo being tested in preparation for translocation. Photo by Dr Adri Grobler



DHPPi: Canine distemper, infectious hepatitis, parvo & parainfluenza virus.

Clostridial disease combo: Anthrax, botulism & black quarter.

(Data may change)



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